



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of
Pierre Mourier, et al

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Application No.: **10/665,872**

Filed: **September 18, 2003**

Title: **Method For Determining Specific Groups
Constituting Heparins or Low Molecular
Weight Heparins**

I hereby certify that this correspondence is being
deposited with the United States Postal Service as First
Class Mail in an envelope addressed to Commissioner
for Patents, P.O. Box 1450, Alexandria, VA 22313-
1450, on

1/16/2004
Date of Deposit
Nabeel Mondy
Signature

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.56, 1.97 AND 1.98


Mail Stop
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

- ☒ (a) This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. **18-1982**.

- ☐ (b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.
- ☐ (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
- ☐ (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement; or
- ☐ (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

Respectfully submitted,


Joseph Strupczewski, Reg. No. 50,903
Attorney/Agent for Applicant

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206 / P.O. Box 6800
Bridgewater, NJ 08807-0800
Telephone (908) 231-2387
Telefax (908) 231-2626
Aventis Docket No. **FRAV2002-0026 US NP**

☒

+

Under
JAN 20 2004
PATENT & TRADEMARK OFFICE

Compleat if Known

Application Number	10/665,872
Filing Date	09-18-2003
First Named Inventor	PIERRE MOURIER, ET AL
Group Art Unit	1623
Examiner Name	
Attorney Docket Number	FRAV2002/0026 - US - NP

(use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	FRAV2002/0026 - US - NP
-------	---	----	---	------------------------	-------------------------

[illegible][illegible]Date
Considered

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

+

Please type a plus sign (+) inside this box → ☒

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/665,872
Filing Date	09-18-2003
First Named Inventor	PIERRE MOURIER, ET AL
Group Art Unit	1623
Examiner Name	
Attorney Docket Number	FRAV2002/0026 - US - NP

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		KAZUYUKI SUGAHARA et al., A Novel Sulfated Structure in the Carbohydrate-Protein Linkage Region Isolated from Porcine Intestinal Heparin, The Journal of Biological Chemistry (1992, pp. 1528-1533, Volume 267, No.3)	
		KAZUYUKI SUGAHARA et al., Structure Determination of the Octa- and Decasaccharide Sequences Isolated from the Carbohydrate-Protein Linkage Region of Porcine Intestinal Heparin, The Journal of Biological Chemistry (1995, pp. 22914-22923, Volume 270, No. 39)	
		SHUHEI YAMADA et al., Structural Studies on the Bacterial Lyase-resistant Tetrasaccharides Derived from the Antithrombin III-Binding Site of Porcine Intestinal Heparin, The Journal of Biological Chemistry (1993, pp. 4780-4787, Volume 268, No.7)	
		TOSHIHIKO TOIDA et al., C-2 Epimerization of N-Acetylglucosamine in an Oligosaccharide Derived From Heparan Sulfate, J. Carbohydrate Chemistry (1996, pp. 351-360, Volume 15, No.3)	
		UMESH R. DESAI et al., Substrate Specificity of the Heparin Lyases from Flavobacterium Heparinum, Archives of Biochemistry and Biophysics (1993, pp. 461-468, Volume 306, No. 2)	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.